



GSFC One NASA Leader-Led Workshop

November 3, 2004

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Associate Administrator

NASA Science Mission Directorate



The NASA Vision

To improve life here,
To extend life to there,
To find life beyond.

The NASA Mission

To understand and protect our home planet,
To explore the universe and search for life,
To inspire the next generation of explorers
... as only NASA can.

Space Science

Earth Science

Discovery

Prediction

Science Mission Directorate

Comprehensive scientific investigations into the Origin, Evolution,
and Destiny of the Earth, the Solar System, and the Universe

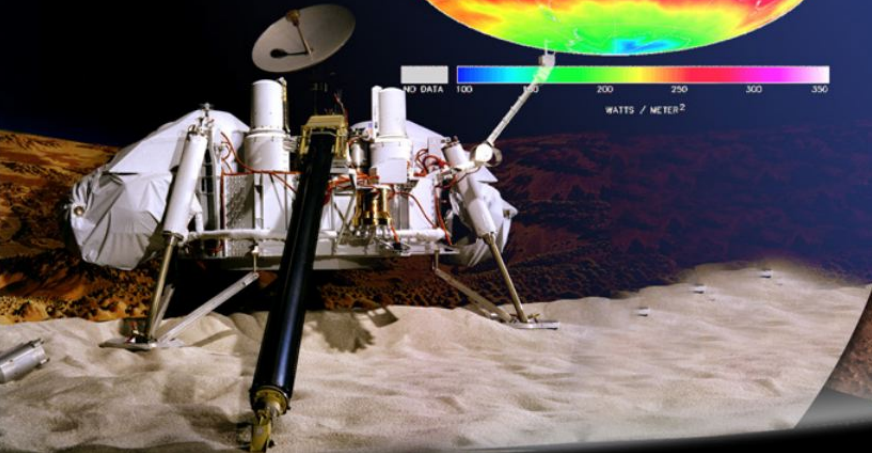
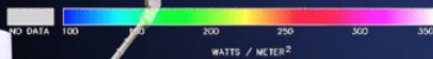
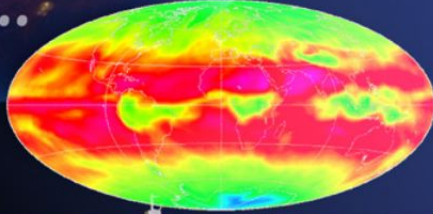
The Advance of Science at NASA

WE WILL BE...

WE ARE...

WE WERE...

LONGWAVE RADIATION
ERBS • NOAA 9 • APRIL 1995
PROC: 6-30-95 hqma





Organization Principles

- Earth and Space Science have been very successful
- During the transformation process, the unique aspects of each office will be preserved to:
 - Protect the successful completion of on-going activities
 - Minimize disruption/dislocation of employees and their jobs
 - Strengthen the assets of both organizations
- Common elements and areas where there is a logical connection will be consolidated into a single operational unit
 - Earth-Sun System (including Earth Systems Science and Sun-Earth Connection), Solar System (including Mars), Universe (including Origins and Structure and Evolution of the Universe)
 - Education and Public Outreach
 - Mission and Systems Management
 - Business and Resource Management

Science Mission Directorate

Councils
Leadership Council
Science Management Council
Program Management Council
Operations Council

Associate Administrator (AA)

Deputy AA

**Deputy AA
For Management**

**Deputy AA
For Programs**

AAA/Strategy, Policy & Int'l
AAA/Science
AAA/Technology
AAA/Exploration Mission Int.
Sr. Policy Advisor

Education Officer

Mission Support

**NASA Management
Office**

**Administrative
Processes**

Mission

**Earth-Sun
System**

**Solar
System**

Universe

Mission Enabling

**Business
Management**

NASA Centers

**Mission & Systems
Management**

JPL

GSFC

ARC

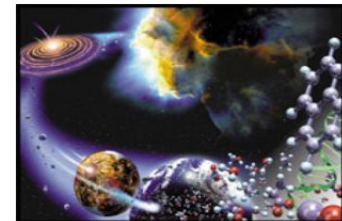


Why Transform?

- Position NASA science endeavors to support and benefit from the Exploration Vision
- Many opportunities for science synergy
 - Earth as a natural laboratory for biological processes
 - Heal the artificial split at the top of the stratosphere
 - Integrated view of the Sun and Earth as a system
 - Earth as a planet in the solar system
- Similar needs & processes for:
 - Engagement of the external scientific community in planning
 - Sponsoring scientific research
 - Mission solicitation, selection, and management
 - Advanced technology
 - Business management
 - Education and Public Outreach

Science Mission Directorate Fully Supports NASA's Mission

- ***Understand and Protect Our Home Planet*** by using our view from space to study the Earth system and improve prediction of Earth system change
- Help ***Explore the Universe and Search for Life*** by continuing scientific investigations into the origin, evolution, and destiny of the universe and our solar system, and by applying our scientific understanding of the Earth system to the identification and study of Earth-like planets around other stars
- ***Inspire the Next Generation of Explorers*** by providing Earth and Space science content and training to educators, and by sponsoring the education and early careers of Earth scientists, astronomers, physicists...





Challenges Ahead

- Make the connections between Earth Science, Space Science and the Exploration Vision
- Merge and maintain the foundation for a comprehensive, flexible, Education and Public Outreach Program
- Continue forging partnerships that will sustain and advance our science
- Provide the excitement that motivates our next generation of scientists, engineers, and decision-makers



Conclusion

- Significant work remains to effectively consolidate the two offices
- Transformation will require community involvement
 - Advisory committees, Academy involvement anticipated, and you, but detailed plans remain open
- Preserve and maintain high standards for successful activities